

Title (en)

GAS-AIR RATIO CONTROL VALVE FOR GAS BURNERS.

Title (de)

GAS/LUFT-VERHÄLTNIS-KONTROLLVENTIL FÜR GASBRENNER.

Title (fr)

SOUPAPE DE COMMANDE DU RAPPORT GAZ-AIR POUR BRULEURS A GAZ.

Publication

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Application

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Priority

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- JP 734188 A 19880117
- JP 8800518 W 19880527
- JP 10957788 A 19880502
- JP 13263587 A 19870528
- JP 27777287 A 19871102
- JP 29684487 A 19871124
- JP 29684887 A 19871124

Abstract (en)

[origin: WO8809463A1] A gas-air ratio control valve for gas burners, having an operating rod (7) which can be moved forward and backward is provided with a primary air flow rate regulating valve means (A), a secondary air flow rate regulating valve means (B) and a raw gas flow rate regulating valve means (G), and adapted to increase and decrease the degrees of opening of these valve means by moving the operating rod (7) forward and backward. In each of these valve means, the inner surface of a valve body or a valve box can be tapered. The operating rod (7) can also be vertically moved. The raw gas can be mixed with the primary air by sending the former in countercurrent to the flow of the latter.

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CPC (source: EP US)

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Citation (search report)

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- [A] FR 654600 A 19290408 - FIRME DEUTSCHE WARME AUSNUTZUN
- [A] FR 521856 A 19210721 - JAMES EDWARDS WEYMAN [GB]
- [Y] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 23 (M-247)[1368], 4th October 1983; & JP-A-58 117 913 (MATSUSHITA DENKI SANGYO) 13-07-1983
- See references of WO 8809463A1

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EP0559280A1; EP0915292A1; FR2770789A1; US6065956A; EP0508164A1

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